

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	Tuner near3 command near3 microcontroller	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:47
S2	406	Tuner near module	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:48
S3	1	S1 and S2	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:48
S4	845	725/151	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:48
S5	1186	725/131	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:49
S6	821	725/139	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:49
S7	910	725/100	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:49
S8	9	S2 and S4	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:51
S9	14	S2 and S5	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:52
S10	6	S2 and S6	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:53
S11	8	S2 and S7	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:54
S12	0	S2 and @ad< "2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 15:57
S13	233	S2 and @ay< "2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:07
S14	297	(Multiple tuners)and @ay< "2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:20
S15	0	external near control near interface near (multiple tuners)	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:21
S16	465	external near control near interface	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:22
S17	0	S14 and S16	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:22
S18	263	S16 and @ay< "2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:24
S19	0	S2 and S18	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:24
S20	0	S2 and S18	US-PGPUB; USPAT	OR	ON	2007/09/11 16:24

S21	70	RaKib.IN.	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:28
S22	25	multi-tuner receiver	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:37
S23	7	(multi-tuner receiver) and microcontroller	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:39
S24	6	(multi-tuner receiver) and protocol	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:41
S25	5	(multi-tuner receiver) and protocol and microcontroller	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:42
S26	0	(multi-tuner receiver) and protocol and microcontroller and (graphic controller)	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:42
S27	0	(multi-tuner receiver) and protocol and (graphic controller)	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:43
S28	0	(multi-tuner receiver) near3 protocol near3 (graphic controller)	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:43
S29	1855	Media center	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:43
S30	21	S29 and graphic controller	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:47
S31	31	Multiplexer and multi-tuners	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:48
S32	14	S31 and @ay<"2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:51
S33	0	S31 and (I/O interface) and @ay<"2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:51
S34	2	S29 and (I/O interface) and @ay<"2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:52
S35	0	(Media center) and (multi- tuners receiver)	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:53
S36	0	(Media center) adj (multi- tuners receiver)	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:53
S37	2337	(Media center) adj (multi- tuners receiver)	US-PGPUB; USPAT	OR	ON	2007/09/11 16:54
S38	1556	S37 and @ay<"2003"	US-PGPUB; USPAT	OR	ON	2007/09/11 16:54
S39	0	S38 and S31	US-PGPUB; USPAT	OR	ON	2007/09/11 16:55
S40	0	S38 and S31	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:55
S41	0	S38 and S2	US-PGPUB; USPAT	ADJ	ON	2007/09/11 16:55
S42	0	("2004/0102155").URPN.	USPAT	ADJ	ON	2007/09/11 16:57
S43	3	("5933192"   "6118498"   "6334217").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 16:59

S44	3	("5933192"   "6118498"   "6334217").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 16:59
S45	7	("6519011").URPN.	USPAT	ADJ	ON	2007/09/11 16:59
S46	14	("6334217").URPN.	USPAT	ADJ	ON	2007/09/11 17:00
S47	8	("5250933"   "5585865"   "5604543"   "5900916"   "5933192"   "5959659"   "5973748"   "Re34340").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 17:01
S48	22	("20010022631"   "20020067438"   "20030053562"   "20030091115"   "20030226153"   "20040001500"   "20040111741"   "20040189879"   "20050273830"   "5594492"   "5933192"   "6016172"   "6118498"   "6334217"   "6519011"   "6542203"   "6591013"   "6714264"   "6714776"   "6804824"   "6927806"   "6985188").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 17:08
S49	0	("7142255").URPN.	USPAT	ADJ	ON	2007/09/11 17:08
S55	21	(Graphic controller) and (Media center)	US-PGPUB; USPAT	ADJ	ON	2007/09/12 08:57
S56	10	S55 and tuners	US-PGPUB; USPAT	ADJ	ON	2007/09/12 08:58
S57	12650	709/223	US-PGPUB; USPAT	ADJ	ON	2007/09/12 08:59
S58	123752	"455"/\$	US-PGPUB; USPAT	ADJ	ON	2007/09/12 08:59
S59	1476	S57 and S58	US-PGPUB; USPAT	ADJ	ON	2007/09/12 08:59
S60	1270	S59 and @ay<"2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/12 09:00
S61	21	S60 and media (center or server)	US-PGPUB; USPAT	ADJ	ON	2007/09/12 09:37
S62	26	Tuner near3 module near3 controller	US-PGPUB; USPAT	ADJ	ON	2007/09/12 09:51
S63	14	S62 and @ay<"2003"	US-PGPUB; USPAT	ADJ	ON	2007/09/12 09:51
S64	2	"20050172332"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/07/21 16:44

S65	3	"20010034205"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 11:13
S66	2	"20040030929"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 11:14
S67	223	(tuner\$1 and microprocessor and graphic controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 11:17
S68	0	S67 and (tune module)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 11:17
S69	0	S67 and (tune adj1 module)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 11:17
S70	93	S67 and @rlad< "20030923"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 11:18
S71	2	"6721832"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:04
S72	3	"7454777"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/01/24 13:02
S73	0	(graphics adj1 controller) same protocol same (microcontroller adj tuner\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/01/24 13:10
S74	0	(graphics adj1 controller) same protocol same (microcontroller adj tuner\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/24 13:10
S75	931329	(graphics adj1 controller) or protocol or (microcontroller adj tuner\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/24 13:10
S76	16930	S75 and tuner\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/24 13:10
S77	14137	S75 and (graphics adj1 controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/24 13:11

S78	692	S76 and S77	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:11
S79	88	S78 and "725"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:12
S80	209	S78 and protocol	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:12
S81	33	S79 and S80	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:12
S82	160	S78 and @rlad<"20030915"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:27
S83	40	S82 and "725"/\$.cls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:28
S84	40	S82 and S83	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:28
S85	10	S83 and protocol	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:28
S86	5	S83 and ((request or protocol) adj1 command)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:32
S87	30	"5543851"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/24 13:34
S88	866	(I2C USB protocol) with (graphics adj controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/28 23:47
S89	767	S88 and (request\$1 or command\$1 or protocol\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/28 23:48
S90	551	S88 and ("protocol" with "graphics controller")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/28 23:48

S91	551	S88 and ("protocol" with "graphics controller")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:49
S92	551	S89 and S91	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:49
S93	551	S88 and S91	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:49
S94	551	S88 and S89 and S91	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:50
S95	1	(graphics adj1 controller ) same (generalized adj1 instructions)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:51
S96	1	S88 and (graphics adj1 controller ) same (generalized adj1 instructions)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:52
S97	1	S88 and (generalized adj1 instructions)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:52
S98	167	S94 and @rlad<"20030923"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:53
S99	2	S94 and 370/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:53
S100	10	S94 and "370"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/28 23:56
S102	866	(I2C USB protocol) with (graphics adj controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/29 00:19
S103	4	S102 and (protocol near (graphics adj1 controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/29 00:19
S104	0	S102 and (microprocessor near protocol near (graphics adj1 controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/29 00:30

S105	0	S102 and (microprocessor adj protocol near (graphics adj1 controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/29 00:30
S106	0	S102 and (microprocessor) and (protocol near (graphics adj1 controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/29 00:30
S107	0	(microprocessor) and (protocol near (graphics adj1 controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/29 00:31
S108	1	(microprocessor or CPU) and (protocol near (graphics adj1 controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	AND	ON	2011/01/29 00:31
S109	27	Miller.xp. and (graphics adj1 controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/01/29 07:55
S110	0	(graphics controller) near (request adj change ( "television channel"))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/01/29 14:53
S111	0	(graphics adj1 controller) near (request adj change adj1 (television channel))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/01/29 14:54
S112	4	Miller.xp. and (convert\$3 adj1 (protocol or instruct \$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/01/29 15:02
S113	3	"20020171624"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/02/26 12:07

2/ 26/ 2011 5:03:56 PM

C:\ Documents and Settings\ aluong\ My Documents\ EAST\ Workspaces\ case3\_Tuner module  
utilizing device-specific controller\_10670064.wsp